Libraries Ribbon

The Libraries ribbon contains functions for managing SMARTree GIT repositories. It includes the most common GIT functions necessary to create, manage and publish SMARTree library data to local or cloud-based repositories. It also contains common web-based GIT services that connect the user to their published data or to resources that aid in the use of GIT for data management. It is not a requirement that the user implements a GIT repository to their SMARTree library, but it is high recommended to backup and disseminate data to others.

When the library ribbon is selected the preview window changes to a GIT status window showing the state of the current repository. The status of the library or repository is checked every time the client is started and when data is saved and displayed in this window. No other windows in the client are changed so the user can continue creating elements as well as drag and drop whole SMARTrees into the editor. Once the user clicks a SMARTree in the library however the preview window reverts to a preview of the SMARTree selected in the Libraries window so that the user can continue import SMARTree snippets. If the user wishes to see the status window again simply click the libraries ribbon tab.

Wizard

Opens a wizard to create a repository within an existing folder or to clone a repository from a local (intranet) or remote (cloud) location.

Refresh

GIT Status Command. Refreshes the current repository and ensures content and SMART Tags are up to date and synchronized with the client. Also ensures that all relationships within the library are current and valid.

Pull

GIT Init Command. Pulls the latest library content from a local (intranet, folder) or remote (cloud, GitLab, GitHub) repository. This will not complete if content that is local is newer than your remote site. In addition to the SMARTree client the user can use the GIT GUI to ensure that remote content is newer so that a successful pull of data is possible. Note that this command is executed by default at the start of every SMARTree client session to ensure that any local SMARTrees are synchronized with any remote tree data. This ensures that your data relationship to remote repositories is up to date.

Initialize

GIT Init Command. Initializes a repository on your local system that can then be pushed and pulled from the cloud. This command is equivalent to a GIT init operation.

Clone

GIT Clone Command. Clones a repository on your local system that can then be pushed and pulled from the cloud. This command is equivalent to a GIT Clone operation.

Add

GIT Add Command. Add a file or files to a staging index ready for commit. This function puts new or modified files into an index ready to put in a new commit.

Commit

GIT Commit Command. Commits added files to the repository by opening a dialog window. Allows the user to add a comment to the commit to identify the SMARTrees being added or modified within the repository

Push

GIT Push Command. Pushes the latest commit files to a remote repository by opening a dialog window.

Log

GIT Log Command. Opens a dialog window and displays the commit log for the current library

Checkout

GIT Checkout Command. Opens a dialog window and allows the user to check

out files from prior commits. Useful to recover earlier versions of any SMARTree from any prior commit in the current repository.

Reset

GIT Reset Command. Resets the current library by either uncommiting files, removing indexed files (added) from the repository or resetting the repository to a state where any modified files were staged for commit.

Get GIT

Get GIT. Opens a browser at https://git-scm.com/downloads

GIT GUI

Opens the GIT GUI installed with the base package of GIT. Allows the user to conduct more advanced operations not embedded in the SMARTree client.

GitHub

Opens GitHub in a browser. This operation also pulls up a drop down list of remote repositories connected to the current library.

GitLab

Opens Gitlab in a browser. This operation also pulls up a drop down list of remote repositories connected to the current library.

Keys

Opens SSH Key Generator. SSH keys are necessary to establish a connection between your local libraries and remote web based repositories.